

NEW EXPANDED TOBACCO PROGRAM

OBJECTIVES AND PLANS

JULY, 1990

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NEW EXPANDED TOBACCO PROGRAM

Mission Statement

Develop tobacco expansion technology and associated processing for the production of expanded tobacco materials having the physical and subjective characteristics required to support future product needs. The processes will be developed in accordance with sound environmental practice.

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New Expanded Tobacco Program

Project Statements

Four distinct project areas have been established to accomplish the mission of the New Expanded Tobacco program. These are identified by the Project Statements below.

Partial Expansion of Tobacco with Existing DIET Process Equipment:

Develop processing schemes to produce partially expanded tobacco with existing DIET process equipment for inclusion in cigarette blends, which will reduce cigarette density to 0.18 g/cc while maintaining subjective and physical characteristics.

Alternate Processes for Partial Expansion of Tobacco:

Develop and evaluate processing alternatives to the DIET process to produce partially expanded tobacco for inclusion in cigarette blends, which will reduce cigarette density to 0.18 g/cc while maintaining physical and subjective characteristics.

Alternate Impregnation Processes:

Develop alternate impregnation processes to improve the subjectives of expanded tobacco while maintaining equivalent cigarette filling power to the existing process.
Develop a continuous impregnation process.

Alternate Puff/Dry/Set Techniques:

Define alternate means of puffing, drying, setting and reordering impregnated tobacco which will improve product subjectives and physical characteristics relative to the present DIET process.

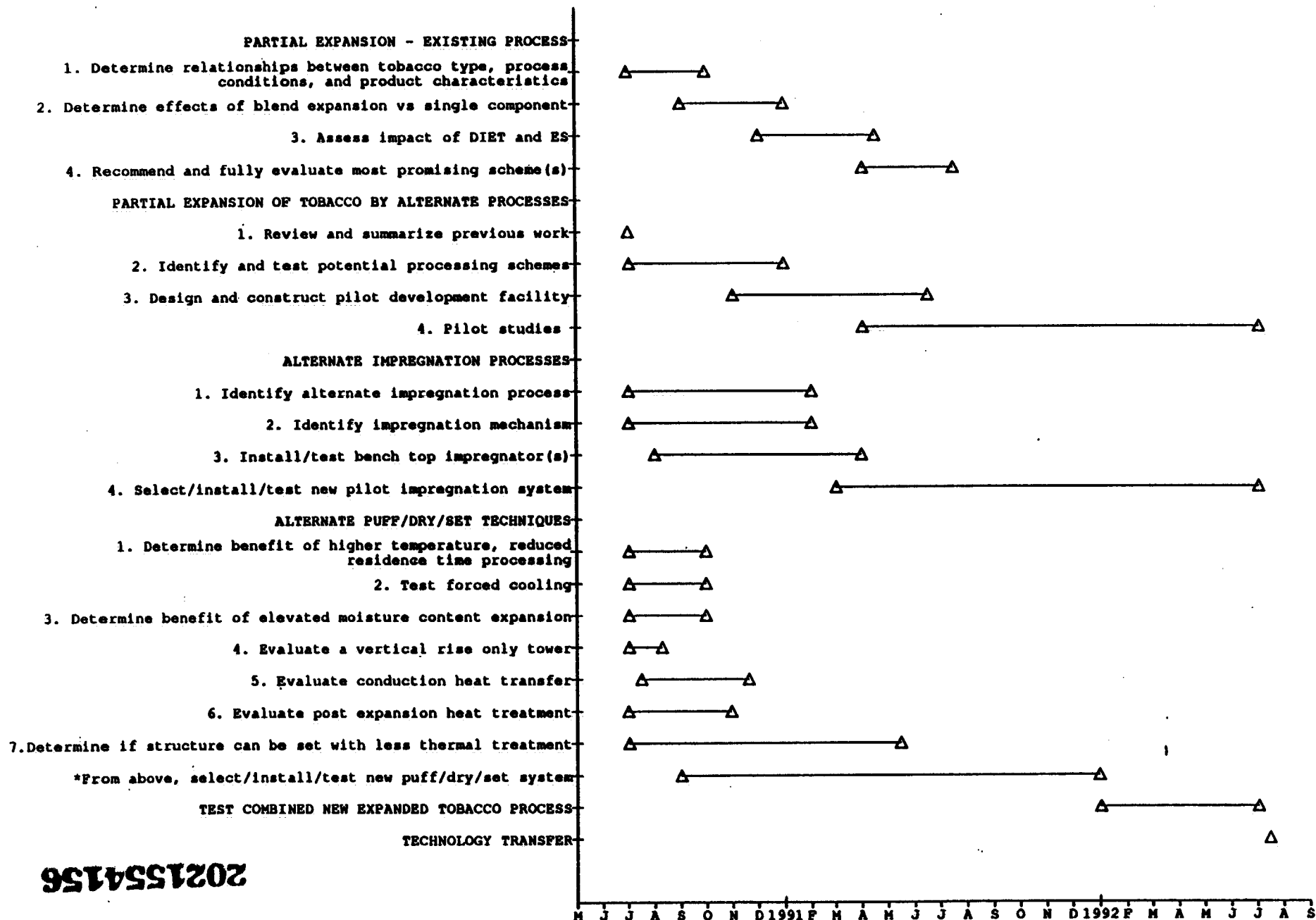
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Objectives

For each aspect of the New Expanded Tobacco Program, objectives have been developed by the engineers involved. These are summarized on the following Gantt chart, and attached to this plan. Additionally, support groups, primarily Physical Research, have developed plans for work on this program. These are incorporated in the four detailed plans, and are also attached.

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New Expanded Tobacco Program



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Detailed Objectives and Plans

The following detailed objectives and plans for the New Expanded Tobacco program were developed in June, 1990. Authors include:

Partial Expansion - Existing DIET Process	D. Donaher
Partial Expansion - Alternative Processes	D. Donaher
Alternate Impregnation Process	K. H. Cho
Alternate Puff/Dry/Set Techniques	W. Winterson
Physical Research Support Programs	T. Howell J. Banyasz

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**Partial Expansion
with Existing DIET Process Equipment**